COAL GE Index to Volume 70

January to December 1965

The articles and references compiled in this index have been listed alphabetically. A subject related to a major topic has been listed under the major topic. For example, an article dealing with a new mining machine and its operation will be found under the topic, "Mechanization." An article on shuttle cars will be found under "Haulage." Unclassified articles, or those that cannot be placed in any major category, have been listed within the index alphabetically. Editorials, marked (E), will be found under the subject with which they are concerned. Many titles are abbreviated to give prominence to important words.

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Battery-powered tractor-trailers at Amberst Coal—Vance Price. June Case for batteries—J. F. Hender Continuous transportation at Duquesne Light's Warwick mine. Apr Diesel shuttle cars at Scotia Coal—Vaughn D. Toler. Jan Down-mountain conveyors at Beth-Elkhorn 27. Dee Haulage & hoisting from face to surface—Guidebook. July Island Creek Coal. Oct 112 Modernizing at Boone County Coal—Namon G. Clonch. Apr New System at B&Z Zeigler No. 4—A. E. Flowers. May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. Apr No. 4—A. E. Flowers May Pushbutton loading-point cleanu	underground; hoisting with	Carbon Fuel—H. D. Morton	Wrench gets at hidden screws	Modernization
equipment and rol control Price Age for batteries—J. F. Hen- sler Age for the coal—Namon G. Continuous transportation at Duquesne Light's Warwick mine	Battery-powered tractor-trail-	Operating Guide - methods.	(OI)June 122	Aug 78
seler. Continuous transportation at Duquesne Light's Warwick mine	PriceJune 88	Feb 89		Boone County Coal-Daniel
Continuous transportation at Duquesne Light's Warwick mine. Diesel shuttle cars at Scotia Coal—Vaughn D. Toler. Jan Down-mountain conveyors at Beth-Elkhorn 27. Dee Haulage & hoisting from face to surface—Guidebook July Individual Creek Coal. Oct 112 Johna Smith. Aug West Virginia CMI meet. June 103 Johna Smith. National Coal Association Attracting needed young people—Charles T. Holland fan	sler		Achieving top quality control	Mining and preparation at Pa.
mine. Apr Diesel shuttle cars at Scotia Coal—Vaughn D. Toler. Jan Down-mountain conveyors at Beth-Elkhorn 27. Dec Haulage & hoisting from face to surface—Guidebook July Island Creek Coal. Oct Modernizing at Bone County Coal—Daniel Jackson Jr. New system at B&Z Zeigler No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct Riverton Coal—Daniel Jackson Jr. David E. Bayer. Jan W. Va. CMI Meeting. Dec Hydraulic Fluids Fire-resistant hydraulic fluids —Harry Jones. Mar 109 ment at Carbon Fuel Co.— H. C. Morton. June 84 Ventilation at Eastern Associated Reystone I Mine— Use the Virginia CMI meet. June 103 Meet Virginia CMI meet. June 10		ClonchJune 82	AMC coal convention—fore-	Coar & Coke
Coal—Vaughn D. Toler. Jan Down-mountain conveyors at Beth-Elkhorn 27 Dec Haulage & hoisting from face to surface—Guidebook July Island Creek Coal Oct Modernizing at Bone County Coal—Daniel Jackson Jr. New system at B&Z Zeigler No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OD) Oct 186 Riverton Coal—Daniel Jackson Jr. David E. Bayer Jan Waintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Waintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Waintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Waintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alternator and transformer power vools (OI) June 120 Auditing electrical maintenance see also Lubrication Alterna	mineApr 98	ment at Carbon Fuel Co		
Beth-Elkhorn 27. Dec Haulage & hoisting from face to surface—Guidebook July 196 Lubrication Lubrication Lubrication Selecting antifriction bearing lubricants. Dec 186 No. 4—A. E. Flowers May Pushbutton loading-point cleanup (OI). Oct 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting antifriction bearing lubricants. Dec 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting antifriction bearing lubricants. Dec 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting antifriction bearing lubricants. Dec 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting lubricants. Dec 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting lubricants. Dec 186 Riverton Coal—Daniel Jackson Jr. Alternator and transformer power tools (OI). June 120 Auguster of the selecting lubricants. Dec 186 Repring up to date (FF). Feb 188 Ranagement steps in promoting safety—Guidebook July 116 NCA-BCR Meet—building coal markets. Oct 64 NCA film wins award (N)Nov 42 New York Coal—Daniel Jackson Jr. National Coal Association 48th Convention—competion, management, utilization, reclamation, pollution, resclamation, pollution, reclamation, pollution, r	Coal-Vaughn D. Toler. Jan 56	Ventilation at Eastern Asso-	diseasesJune 115	N
West Virginia CMI meet. June 103 Leland Creek Coal		Joshua Smith	ple—Charles T. Holland	N 16 -14 i i
Island Creek Coal	Haulage & hoisting from face	West Virginia CMI meet.June 103	Better employee relations (FF)	48th Convention-competion,
New system at B&Z Zeigler No. 4—A. E. Flowers May 68 Pushbutton loading-point cleanup (OI) Oct 186 Riverton Coal—Daniel Jack- son Jr July Safer thin-seam mining with rubber-tired equipment— David E. Bayer Jan W. Va. CMI Meeting Dec 115 Fire-resistant hydraulic fluids -Harry Jones Mar 109 Maintenance see also Lubrication Alternator and transformer power tools (OI) June 120 Auditing electrical maintenance steps in promot- ing safety—Guidebook, July 273 NCA Convention July 177 Not Convention July 177 Sins of supervisors (FF) Apr 179 Safety there Dec 112 Natural Gas Top coal markets Oct 64 NCA film wins award (N)Nov 42 National Independent Coal Oper- alore discoal markets Oct 64 Not film wins award (N)Nov 42 Not only 273 Not Convention July 177 Not operation Sept 34 National Safety Congress Coal Mining Section meeting —safety theme Dec 112 Natural Gas —mairty Jones Mar 109 Battery care for mine tractors —J. F. Henaler Nov 84 Eland Creek Coal Co. Oct 8 Keeping up to date (FF) Feb 188 Keeping up to date (FF) Teb 188 Keeping up to date (FF) Teb 18 Keeping up to date (FF) Teb 188 Keeping up to date (FF) Teb	Island Creek CoalOct 112	Selecting antifriction bearing	Cost reduction (FF) Aug 100	management, utilization, re- clamation, pollution, re-
New system at B&Z Zeigler No. 4—A. E. Flowers May 68 Pushbutton loading-point cleanup (OI) Oct 186 Riverton Coal—Daniel Jack- son Jr July Safer thin-seam mining with rubber-tired equipment— David E. Bayer Jan W. Va. CMI Meeting Dec 115 Fire-resistant hydraulic fluids -Harry Jones Mar 109 Maintenance see also Lubrication Alternator and transformer power tools (OI) June 120 Auditing electrical maintenance steps in promot- ing safety—Guidebook, July 273 NCA Convention July 177 Not Convention July 177 Sins of supervisors (FF) Apr 179 Safety there Dec 112 Natural Gas Top coal markets Oct 64 NCA film wins award (N)Nov 42 National Independent Coal Oper- alore discoal markets Oct 64 Not film wins award (N)Nov 42 Not only 273 Not Convention July 177 Not operation Sept 34 National Safety Congress Coal Mining Section meeting —safety theme Dec 112 Natural Gas —mairty Jones Mar 109 Battery care for mine tractors —J. F. Henaler Nov 84 Eland Creek Coal Co. Oct 8 Keeping up to date (FF) Feb 188 Keeping up to date (FF) Teb 188 Keeping up to date (FF) Teb 18 Keeping up to date (FF) Teb 188 Keeping up to date (FF) Teb	Coal—Daniel Jackson Jr.	IudricantsDec 94	Crisis or problem? (FF). Apr 138	Search July 116
Pushbutton loading-point cleanup (OI) Oct 186 Riverton Coal—Daniel Jack- son Jr July Safer thin-seam mining with rubber-tired equipment— David E. Bayer Jan W. Va. CMI Meeting Dec 115 Fire-resistant hydraulic fluids Hydraulic Fluids Hydraulic Fluids Hending bars at sharp angles Hending bars at sharp angles Hending bars at sharp angles Keeping up to date (FF). Feb 138 Management steps in promoting safety—Guidebook July 273 NCA Convention July 177 NCA Convention July 178 National Independent Coal Operation and Safety Congress Coal Mining Section meeting 478 Safet maintenance men. June 112 Safety care for mine tractors —J. F. Henaler Nov 84 Hydraulic Fluids —Harty Jones Mar 109 Ma	New system at B&Z Zeigler		How to listen (FF) June 116	coal marketsOct 64
cleanup (OI)Oct 186 Riverton Coal—Daniel Jackson JrJuly 78 Safer thin-seam mining with rubber-tired equipment—David E. BayerJan 66 W. Va. CMI MeetingDec 115 Hydraulic Fluids Hydraulic Fluids Harry JonesMar 109 Maintenance see also Lubrication Alternator and transformer power tools (OI)June 120 Tool Grawings (OI)July 117 Photographic system reproduces drawings (OI)July 127 Sialebard engineers' and maintenance menJune 87 Fire-resistant hydraulic fluids Harry JonesMar 109 Battery care for mine tractors —J. F. HenalerNov 84 Bending bars at sharp angles Horry JonesMar 109 Battery care for mine tractors —J. F. HenalerNov 84 Bending bars at sharp angles FPC rejects Canadian gas importance in gas rate case (N)Sept 34 NCA ConventionJuly 117 Photographic system reproduces drawings (OI)July 107 Sine for under the first of th	No. 4—A. E. Flowers. May 68 Pushbutton loading-point	M	Keeping up to date (FF). Feb 138	National Independent Coal Oper-
son Jr July 78 Safer thin-seam mining with rubber-tired equipment — David E. Bayer Jan 66 W. Va. CMI Meeting Dec 115 Hydraulic Fluids Hydraulic Fluids Hearty Jones Mar 109 Hearty Jones Mar 109 Alternator and transformer power tools (OI) June 120 Hotographic system reproduces drawings (OI) July 140 7 sins of supervisors (FF) Apr 140 7	cleanup (OI)Oct 186	Maintenance see also Lubrication	Management steps in promot-	Reorganizes (N)Sept 34
rubber-tired equipment— David E. Bayer Jan 66 W. Va. CMI Meeting Dec 115 Hydraulic Fluids Fire-resistant hydraulic fluids —Harry Jones Mar 109 Auditing electrical mainte- nance efficiency—Lewis C. Ford Aug 86 Battery care for mine tractors —J. F. Henaler Nov 84 Bending bars at sharp angles Mar 28 Guces drawings (OI). July 140 7 sins of supervisors (FF) Apr 140 "Sideboard engineers" and maintenance men. June 87 Top coal producers in '64 (N) Mar 28 FPC lets utility intervene in gas rate case (N). Oct 46 FPC rejects Canadian gas im- Fport application (N) Jan 30	son JrJuly 78	Alternator and transformer	NCA ConventionJuly 117	National Safety Congress
David E. Bayer Jan 66 W. Va. CMI Meeting Dec 115 Hydraulic Fluids Fire-resistant hydraulic fluids —Harty Jones	rubber-tired equipment -	Auditing electrical mainte-	duces drawings (OI)July 140	— safety themeDec 112
Hydraulic Fluids Fire-resistant hydraulic fluids Harry Jones Mar 109 Battery care for mine tractors smaintenance men June 8/ Top coal producers in '64 (N) FPC rejects Canadian gas import application (N) Jan 30	David E. Bayer Jan 66	nance efficiency-Lewis C.	7 sins of supervisors (FF). Apr 140 "Sideboard engineers" and	FPC lets utility intervene in
-Harry Jones Mar 109 Bending bars at sharp angles Mar 28 Port application (N) Jan	Hydraulic Fluids	Battery care for mine tractors	maintenance menJune 87	FPC rejects Canadian gas im-
ME-MMA meeting Nov 99 (O1)	-Harry JonesMar 109	Bending bars at sharp angles	Mar 28	Port application (N)Jan 30
	ME-MMA meetingNov 99	(O1)Apr 143	west virginia CM1 meet-	a r o sets two-price gas system

(N)	North American, Jensie mine —A. E. Flowers June 70 Plant reclaims bank coal at State Coal	coal-to-gasoline plant (N).Oct 58 Consol sees gas from lognite competitive (N)Apr Contract study use desalting in acid removal from mine	Christopher's Osage fire fought with foamJuly 96 Coal-mine safety in 1964. Feb 85 Coal Mining Institute Meet— safety and maintenance
Roundup on utilities plans for	ed for in 1964 (chart)Feb 82 Pushbutton loading (OI).Mar 118	drainage (N)Mar 50 Fly-ash brick ready for pilot	training, methane monitor- ingJan 88
additions (N)Sept 28 Saftey fight among AEC offi-	R. R. car re-railer (OI)July 138 Rockduster distributes freeze-	plant stage (N)Sept 62 Gas turbine power system for	Fan-monitoring systems—Jos- eph Soroka JrNov 79 Fatalities in 1964-65Apr 73
ials over Oyster Creek (N) Feb 27 Use of nuclear power in desalt-	proofing salt (FF)Sept 120 Rocky Mountain CMI— vi- brating screensAug 98	coal power plants (N)May 44 How Rand treatment works (N) Dec 27	Field experience with a meth- ane monitor—R. C. Beer-
ing questioned (N)Jan 27	Society of Mining Engineers	Hydrocarbon, Westinghouse Electric awarded coal-use	Fire control aids (OI)July 138
	Stockpiling and reclaiming at Federal No. 1	Indiana CMI Meet—What's	MMA MeetingNov 99
	Stonefort's Will Scarlet mine Dec 64 Thermal drying of pelletized	New	Fire-resistant hydraulic fluids, Harry JonesMar 109 4,160-V approved for use at
0	28 M fines (OI) Aug 104 The unitized plant—George L.	Make detergent from coal tar (N)May 45	face (N)July 26 Highway traffic accidents (FF)
U	Unit train loading at Valley	NCA conventionJuly 118 NCA steps ups research on re-	May 136 Hinge for drilling (OI)July 138
Oil Treatment see Preparation Open Pit Mining Association	Vibratig. screen selection(I)	ducing sulphur oxide emissions (N)	Holmes Safety Assn. heroism awards (N)July 44 House committee okays in-
21st Meet—maintenance, safe- ty, electricity, ventilation	Wet screening tips (OI). Sept 120 White Sulphur Meeting. Jan 82	New type electric coal bin (N) July 44 OCR budget increased (N)	cluding small mines under Federal Safety Act (N). May 50
Operating Guides Electric motors and controls	Youngstown Mines Corp., Dehue mine—Daniel Jack-	OCR contracts export coal dis-	House extends Federal Safety Act to small mines (N). July 44
May 103 Longwall Mining—methods,	Preparation Facilities 90	tribution system study (N) June 44	Island Creek Coal Co Oct 142 KMI Meeting Dec 122 Management steps in promot-
equipment and roof control Feb 89	Jan 45; Feb 57; March 38; Apr 30; May 44; June 50; July 47; Aug 48; Sept 58; Oct 51;	OCR contract to Kellogg on coal in water desalting (N) Aug 54	ing safety—Guidebook July 273 ME-MMA meeting—hydraul-
Overburden Preparation see Strip- ping Overcasts see Ventilation	Nov 50; Dec 46.	OCR extends Project Western Coal contract (N)Oct 57	ic fluids, methane monitor- ing
	Consol raises coal prices (N)	OCR issues study Coal-Asso- ciated Minerals of the U. S.	Methane monitoring — ME- MMA Meeting Nov 99
	Public Relations NCA film wins top award (N)	OCR project, burning coal in fluid bed (N)	Mine Inspectors MeetJuly 122 Mobile classrooms on safety aid small minesNov 72
	Pumping see Drainage, Prepara- tion	fluid bed (N)	National Safety Competition winners (N)June 52
P		OCR study-new anthracite uses (N)July 40	National Safety Congress meetsafety
Patents		Project Gasloine pilot plant funds approved (N)May 28 Promising Project Coed con-	New method for handling gas (E)July 9 '65 World series of safety. Nov 100
Jan 43; Feb 44; Apr 44; May 40; June 42; July 38; Aug 44; Sept 38; Oct 42; Nov 44;		verts coal to liquid, solid &	Pittsburgh Coal ventilation
Dec 40. Pennsylvania Coal Mining Assn	R	Rand contract for pilot coal- filter sewage-treatner	C. W. Parisi
Formed (N)	Radio see Communications Reclamation	plant (N)	Pneumonoconiosis, Penn- sylvania Governors Confer- ence
Pneumoconiosis Pennsylvania Governors Con-	AMC coal convention—plann- ing strip operations: where	3 OCR contracts awarded on package units, coal conver-	Rocky Mountain CMI—float dust control, preventing
ferenceJan 85 Pollutuin see Air, Water	Collins Mining Co. program	sion and MHD (N)Apr 50 USBM makes carbon black	mine disasters Aug 98 Safer thin-seam mining with rubber-tired equipment —
Power Plants Allegheny Power starts work on second unit at Fort Mar-	Greer-Ellison Coal grows elderberies (N)Aug 30	from coal (N) Oct 55 USBM suggests food from coal (N) Nov 53	David E. Bayer Jan 66 Safety associations formed in
Plan huge Conemaugh mine-	Dec 83	U. S. Rubber uses fly ash in industrial waste tretement	W. Va. (N) Aug 47 Safety in coal mines—Harry
Southern California Edison	Hanna 's reclaimed land: an emergency pasture (N)Sept 28 Hanna Work studied (N)Aug 28	(N)June 51 Ventilating systems on contin-	Gandy Jr. (FF) Jan 92 Spray-water control for belt conveyor (OI) July 138
plans Mojave Valley plant (N)Feb 64 Tampa Electric to cut fuel	cussed (N)	uous miners—PaBCR (N) July 40 Rocky Mtn. Minerals Conference	Step-up in safety training in Pa. mines (N)Oct 58
costs in pact with Peabody Coal (N)	NCA convention July 117	Rocky Mtn. Minerals Confer- Coal opportunities, prob-	bumps (N)
coal era (N)	Peabody gives land to girl scouts (N)Feb 66 Penn State to study stripping	lems explored at Rocky Mtn MeetNov 106	USBM instructs in mobile classrooms (N) Feb 70 Use of fire extinguishers (OI)
Preparation Air classifies lignite finesNov 83 AMC coal convention—struc-	P&M wins reclamation award.	Roof Bolting see Roor Support Roof Support Cutter becomes roof-bolter	Water-infusion outlook (E)
ural pipes for galleries and supports; processing refuse	donates trees for White House Pageant (N)Dec 28 Reclaimed land produces el-	(OI)Mar 119 Island Creek CoalOct 106	West Virginia CMI meet June 103 White Sulphur Meeting—safe-
banks; weighing, sampling by independent laborator- ies; coal stockpiles, unit	SME Meet. July 128	Longwall mining, Coal Age Operating Guide Feb 89 Rocky Mountain CMI Aug 98	ty, blasting, roof support Jan 82
trainsJune 112	requirements (N) Sept 26	Roof control—Guidebook July 190	Screens, Screening see Prepara- tion
Beth-Elkhorn 27 MethodsDec 58 Better Screening at Valley	Refuse Disposal Streamlined facilities at KopperstonMar 106	KMI Meeting Dec 122 61st Meet "Progress"— pro- ductivity improvements.	Shooting see Face Preparation, Stripping Shuttle Cars see Transportation
Camp (OI)	Regulation see also Laws Legisla- tion	roof control, equipment, vi- brating screens, dust con- trol, preventing mine disas-	Skips see Hoisting Society of Mining Engineers
Developments in 1964 Feb. 79	FPC lets utility intervene in gas rate case (N)Oct 46	ters, future power requirements	Coal opportunities, problems explored at Rocky Mtn.
Fine-coal washer at Waterloo Coal	Interior Dept sets up emergency fuels group (N). Oct 50 OEP studies residual import	meetMar 52	Meet
Hydraulic house moves rail- road cars (OI) Nov 122 Island Creek Coal Oct 130	effect on national security (N)May 28	Russia Soviet claims of coal advances called exaggerated (N)June 50	roof control, preparation, utilizationMar 52 Spring Field Meet—stripping,
LaRosa FuelApr 90	Research Acid control in streams by		reclamationJuly 128 Somerset County (Pa.) Institute
X. Ferney, Part I Aug 63 Part II Sept 78 Modernizing at Boone County	BCR (N)July 40 BCR oxidation tests (N)Jan 47 Coal fertilizer in Alberta (N)		Election of officers (N)Mar 36 Spray, Dust Allaying see Safety
Coal—Daniel Jackson Jr. Apr 74	Aug 55 Coal used in sewage treatment		Stoppings see Ventilation Stripping
Modernizing at Pa. Coal & CokeMar 70	(N)July 40 Computer analysis of coal gas-	5	Alberta coal stackers Mar 84 AMC coal convention—240-
1964 sales coal-mining and cleaning equipment—W. H.	ification processes (N)Aug 54 Consol lignite gasification to get pilot plant (N)Dec 52	Safety see also Accidents Armco Steel wins "Sentinel of Safety" (N)Sept 63	ton coal hauler; large drag- lines, using stacker for part-
Young and R. L. Anderson Feb 86	Consol awards contract for	of Safety" (N)Sept 63	ing removal; new in other

industriesJune 110	Coal storage at Lake Erie (N)	EHA sees more leectric homes	V
Rigger equipment boosts out-	July 28	in '64 (N) Feb 66 Energy for the West, Rocky	
put at Sahara 6 Aug 78	Lake-Erie-Ohio River Canal proposed (N)	Mtn Min Conf Nov 106	Ventilation
Captain mine storyFeb 119 Developments in 1964Feb 79	Pennsy plans Lake Erie coal	Florida Power Corp. builds	AMC coal convention-return
Dragline operations at Collins	dock (N) Oct 46 River transfer terminal being	first coal station (N)May 45 Florida Power favors coal-	
Excavator floodlighting-R. A.	built in Midwest (N). June 28	fired unit (N)Sept 62	rials for; dust controlJune 110 Fan-monitoring systems—Jos-
Matuszak Aug 88 Effective surface-mining meth-	built in Midwest (N). June 28 "Southern 100" hopper car (N)	Fly-ash brick ready for pilot- plant stage (N) Sept 62	Fan-monitoring systems—Jos- eph Soroka JrNov 79 Guides to efficiency in mine
effective surface-mining meth- ods—GuidebookJuly 210	240-ton hopper car and 4.320-	Golden Valley Elec Assn plans	ventilation — Guidebook
Green Coal uses 70-yd shovel	240-ton hopper car and 4,320- hp diesel towboat (N). May 26	power plant at Healy, Ala-	July 202
Sept 74	260-ton hopper car developed	Hydrogenated coal road bind-	cieted's Keystone I mine-
Handling ammonium nitrate-	Unit-train loading at LaRosa	er (N)	Joshua Smith Aug 69
Hanna starts new 100-vd	FuelApr 90 Unit train loading at Valley	Jack Watson (Miss.) unit will use coal (N)	Island Creek Coal Oct 126
shovel		Kaiser Steel leases Utah coal	New method for handling gas
western in. Coar 240-ton	W. Va. CMI MeetingDec 115	land (N)July 44	(E)July 1 9
coal haulerMay 64 LaRosa FuelApr 90	Youngstown Mines unit-train shipments—Daniel Jackson	Mine-mouth plant planned for Graceton-Coral area (Pa.)	PaBCR research ventilating system on continuous miners
Modern techniques provide	Jr	(N)Oct 53	(N)July 40 Pittsburgh Coal course uses
more userui mapsJan 52	Treatment, Oil, Water see Prepa-	More utilities pool power (N) Jan 27	Pittsburgh Coal course uses
Pit pumps mounted on elevat- ing platform (OI) Sept. 122	Trucks, Trucking see Stripping,	Mountain Midwest Power	mine models—C. W. Parisi May 84
ing platform (OI)Sept 122 Pits as auto graveyards? (E)	Transportation	Pool formed (N)June 28	
Ripping overburden: the eco-		NCA conventionJuly 117 Niagara Mohawk reopens	
nomical approachJuly 90		Huntley (N. Y.) plant (N)	,
Stonefort Will Scarlet mine		NACCO coal will fuel Homer	
SME Meet	U	City power plant (N) Dec. 28	NA.
Strip-auger setup at Stamack	O	NACCO orders equipment for Indian Head mine (N) Oct 52	W
MiningNov 88	United Mine Workers of America	Northern States Power builds	
"Summerizing" your mine (FF)	Drive to organize small mines	Coal plant (N)July 44 Ohio Edison, Cleveland Elec	
35-Cu yd dragline at Sullivan	(N)Apr 27	Illum plan joint plant (N)	BCR research on acid control
Trail Coal—Harold Davis May 78	Fund increases pensions to \$100 (N)Oct 49	Apr 47	in streams (N)July 40
Truax-Traer orders second 80-	Fund lowers pension age (N)	PP&L plans Cherokee steam	Coal's five problems—LBJ Messages (E)Mar 69
yd shovel (N)Jan 30 Wheel loader cuts costs at	75 yr for the UMW (E)Jan 51	plant (Wyo.) (N) Oct 53 Peabody Black Mesa coal for	J&L Steel-low cost experi-
Cooney BrosMar 98	Sued for \$15-million Nov 47	Nevada steam plant (N)	mental treatment of acid
Supervision see Foremen, Man- agement	W. A. Boyle elected to 5-yr term (N). Jan 27	Penn Power & Light plans 3rd	NCA convention July 117
Supplies see also Stripping	U. S. Bureau of Mines see Bureau	unit at Brunner Island sta-	NCA surveys coal's water use
Buying directory—Guidebook	of Mines	tion (N)June 51 Plan huge Conemaugh mine-	Apr 27 Pennsylvania bans drainage in
July 283 Island Creek Coal Oct 166	Utilization see also Power Plants, Desalting	mouth plant (N) Mar 47	streams (N)Oct 47 Rand coal-based sewage treat-
Modern purchasing and ware-	Allegheny Power starts work	Plan Mohave steam station on	Rand coal-based sewage treat-
housing—Guidebook July 267	on second unit at Fort Mar-		ment (N)
W. Va. CMI MeetingDec 115	tin (N)Jan 46 AEP plans Appalachian ex-	plant at Homer City, Pa.	Solving the acid mine drainage
	pansion (N)Oct 28 AEP starts heating-air condi-	PSC Colorado plans Cherokee	Stiffer controls near (N) June 26
	tioning research project. Nov 47	4 unit (N)	Survey shows streams less acid
-	Coal as aggregate for roads (E) Nov 7	Rand coal-based sewage treat- ment (N)	than feared (N)Aug 30 Water supply, acid mine drain-
	(E)	Rand contract for pilot coal-	age. Rocky Mtn Min Conf
	Coal for power, Rocky Mtn	filter sewage-treatment plant (N)	Nov 106 West Virginia CMI meet—
Telephone see Communications	Min Conf	Refuse processing plant (N)	mine effluents treatment
Timbering see Roof Support Track see Transportation	ned for 18 eastern states (N)	Mar 29	White Sulphur Meeting Jan 82
Training	Coal to fuel new New England	Society of Mining Engineers meet Mar 52	Water Treatment see Preparation
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